This is a beautiful course that will show you how proofs in analysis are. Instead of computations of calculus, we focus on proving these calculus facts on real line while learning on set topology. You will appreciate ϵ and δ relation at the end of the semester:)

Instructor:	Dr. Betul Orcan-Ekmekci	**Time:**	2:00 PM - 2:50 PM MWF
Office:	440 Herman Brown	**Classroom:**	HBH 227
Email:	orcan@rice.edu	**Office Hours:**	Thursdays: TBA

Recitations: TBA

Text: Elementary Analysis: Theory of Calculus, Kenneth Ross, 2nd Edition

Homework: Every week I will assign 10-12 problems that you have to hand in on **Fridays at the beginning of lecture**. The first such set of problems will be due on **Friday, January 24th**. They will be graded and returned to you a week after you hand them in.

The homework is not pledged and you can collaborate with other students in the class.

Late homework assignments will not be accepted for ANY reason – instead, the lowest HW grade will be dropped.

The "no late homework "policy is iron clad. There will be roughly 13 assignments. These numbers mean that the only fair policy on late homework is as above.

Exams: There will be two take-home midterm tests during the semester and 5 pop-quizzes in class. Take Home Exams will be assigned the week of February 10th and April 30th. Pop-Quizzes can happen in any 10 minutes of any lecture. There is no makeup exams or make up quizzes. A missed quiz will worth 0 point.

Final exam: The date for the final exam is not available at this time. It is the policy of the Mathematics Department that no final may be given early to accommodate student travel plans. If you make travel plans that later turn out to conflict with the scheduled exam, then it is your responsibility to either reschedule your travel plans or take a zero in the final.

Books, notes, and calculators will **not** be allowed on exams. If an exam conflicts with a holiday you observe, please let me know before the end of the first week of classes.

Grades: Your homework will count as 18% of your final grade.

- 18% Quizzes, 18% Midterm I, 18% Midterm II, 28% Final.

Expectations: I expect you to attend every class and to arrive on time. Please, Do NOT COME to class to take notes, instead come to class something to learn:) In every class, challenge yourself with new topics, think and burn out your brain in very step (This pharase is from my #2 son, Ahmet:), whenever he does some math, he tells me "my brain burns out", or when he achieves something, he tells "I use my brain"). Please, come to class to "Use your Brain:)". It is your responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes. Not all announcements will be posted on the website.

Disability Support: Any student with a documented disability seeking academic adjustments or accommodations is requested to speak with me during the first two weeks of class. All such discussions will remain as confidential as possible. Students with disabilities will need to also contact Disability Support Services in the Allen Center.